

Quiz 3

1. (4pts) Write a function that returns the number of lines of code in a python file. A line of code is defined as any line that does not begin with a comment character or consists only of whitespace.

```
def locCount(filename) :
    lines = 0
    for i in open(x):
        if i.strip() != "" and i[0] != "#":
            lines += 1
    return lines
```

or as a one-liner

```
def locCount(filename) :
    return sum(map(lambda x: x.strip() != "" and x[0] != "#", open(x)))
```

2. (4pts) Write a function that operates like `find ./ -printf '%fn'`, that recursively traverses the current directory and its subdirectories, printing the names of all the files in the directory tree.

```
def recurseDir() :
    f = []
    os.path.walk(".", lambda x,y,z: f.extend(z), None)
    for i in f:
        print i
```